



S3-ELS (Enhanced Lubrication Solution) is a solid boundary lubricant with a strong affinity to metal. When added to engine oil it improves the overall performance and efficiency of the engine by reducing friction.

S3-ELS is carried to the friction zones within the engine by the host lubricant where the polarised molecules form an extremely strong bond with all the internal metal surfaces. The resulting molecular boundary is diamond like in hardness and forms a protective film which dramatically reduces friction, noise and wear.

By reducing friction within the engine and thereby reducing heat, the viscosity of the engine oil is maintained allowing it to perform at its optimum. This protection leads to longer engine life, reduced maintenance and an improvement in fuel economy.

S3-ELS is compatible with all vehicle engines and can also be used to reduce friction, lower temperatures and extend the life of differentials, manual transmissions and power steering components.

Unlike conventional oil additives, **S3-ELS** does not use potentially harmful additives, solvents or detergents that are prone to shearing and breakdown or those that "settle out" in your oil or clog up the vehicle's filters.

BENEFITS OF S3-ELS

Fuel Economy By reducing friction less fuel is required to do the same amount of work. **S3-ELS** will conservatively give a 6% to 10% or greater improvement in fuel economy. The reduction in friction will also result in increased horsepower, reduced maintenance and quieter running.

Dry Starts **S3-ELS** forms a protective bond on all metal surfaces which minimises wear and tear when starting the engine from cold when there is little or no oil in circulation on the metal surfaces to protect them.

Formulation and Additives **S3-ELS** is blended to match the manufacturer's recommended oils. **S3-ELS** does not use any potentially harmful additives, solvents or detergents like PTFE (Teflon™) Silicon, Zinc, Molybdenum Disulphide, Graphite or any other solids and does not alter the characteristics or viscosity of the host lubricants.

Environmental Significant environmental impact can be made in terms of CO2 reductions with savings of over 10 Tonnes CO2 on a single lorry travelling 100,000 miles.

Return on Investment (ROI) The 'more you drive the more you save' when using **S3-ELS**. The fuel savings should be seen within the first fill up and the savings on maintenance reduction will continue to be seen over the life of the engine. The ROI should be achieved within 3-4 months for cars and light vans averaging 50,000 miles per annum. For articulated lorries doing in excess of 100,000 miles per annum the ROI should be achieved within 2 months.

FREQUENTLY ASKED QUESTIONS

Will S3-ELS void my warranty?

S3-ELS will not void the warranty. It is blended to meet all manufacturer's specifications and all the physical properties including the viscosity stay the same.

Is S3-ELS compatible with synthetic and non-synthetic oils?

The properties of **S3-ELS** allow it to be used with all blends and types of recommended automotive oil.

How often should I use S3-ELS?

We recommend that **S3-ELS** be initially added as a volume of 10% of the engine oil capacity. Thereafter for continued fuel savings, protection for your engine and on-going reduction in maintenance costs we recommend one third of the original installed amount to be added every 50,000 miles.



"driving business efficiency"

PREGEM Mobile

Oriel Court, Omega Park, Alton, Hants, GU34 2YT

sales@pregem-mobile.com

☎ 01420 544 514

☎ 01420 544 599

www.s3-els.com



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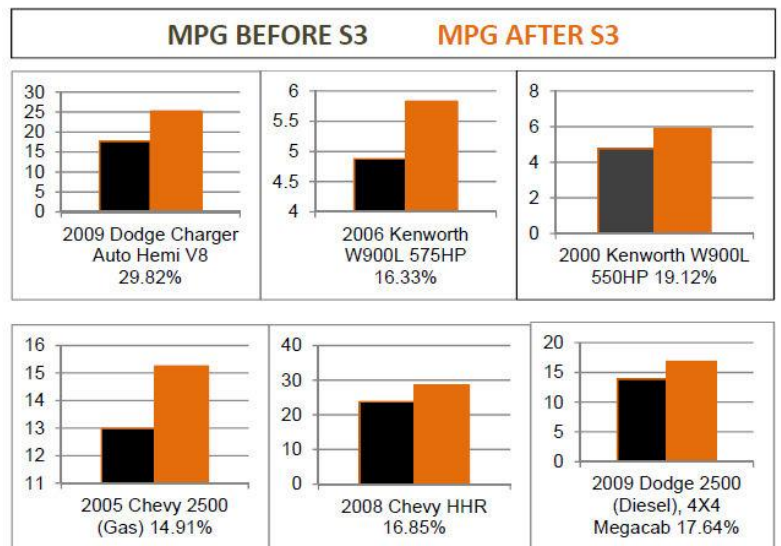
Reduce Fuel Consumption by 6% to 10% or more ...



Initial trials of S3-ELS in the USA far exceeded expectations with fuel savings recorded in excess of 10% in large trucks and as high as 29.82%. The results of the trials are shown in the figure opposite.

A national haulage group with in excess of 2000 vehicles reported a saving per vehicle of \$1,800 per month. For companies with large fleets the addition of S3-ELS represents savings of millions of dollars per month in fuel costs alone before reduced maintenance costs are accounted for.

The fuel savings achieved can be directly translated in substantial CO2 reductions helping companies meet their carbon reduction targets whilst increasing their competitiveness when tendering for new business.



S3-ELS is based on the application of a halogen derivative as a solid boundary film lubricant which has an extremely positive affinity to metal surfaces. The molecular structure of S3-ELS exhibits very strong intra-molecular tetrahedral bonding, giving it a diamond like hardness which forms a sub-micron thick crystal lattice structure of individual platelets on each of the metal surfaces. Because only weak Van-der-Waals forces exist between the polarised platelets the platelet-to-platelet bonding is very low resulting in a nearly frictionless coefficient between the two surfaces.

The result is a highly resistant and tenacious film between the moving surfaces which greatly enhances the host lubricant's ability to support the extremely high loads that exist in modern vehicle engines, gearboxes and transmissions. By reducing friction, wear and heat at all the metal-to-metal surfaces, energy consumption, noise, heat, fuel costs are substantially reduced together with on-going maintenance costs.

Cost savings generated by using S3-ELS will have an immediate effect on profitability and competitiveness.

